

FIG. 1

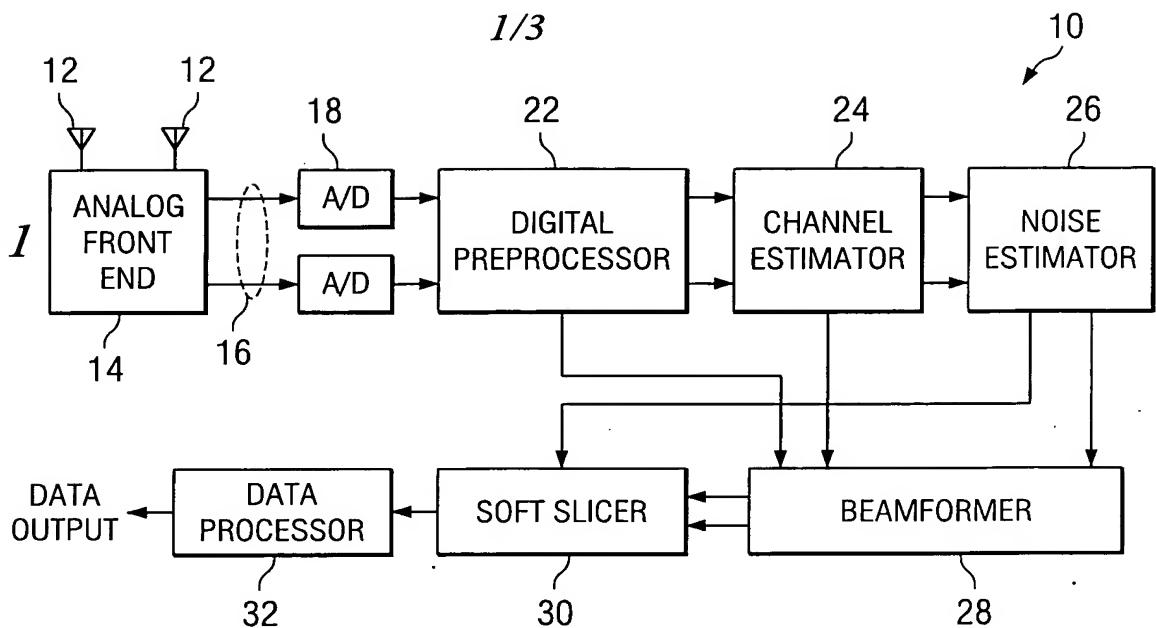


FIG. 2  
(PRIOR ART)

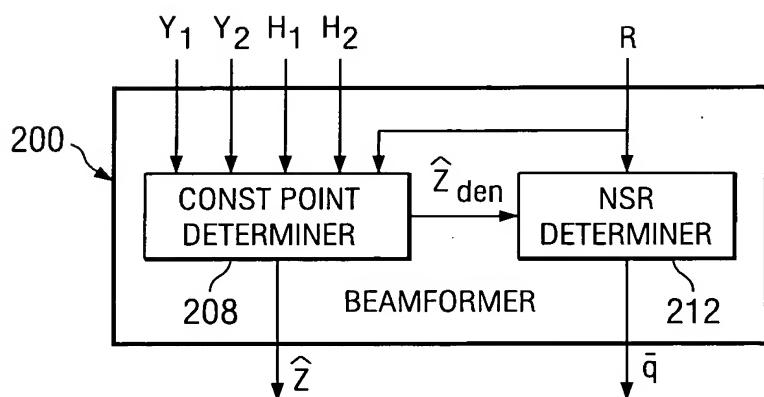
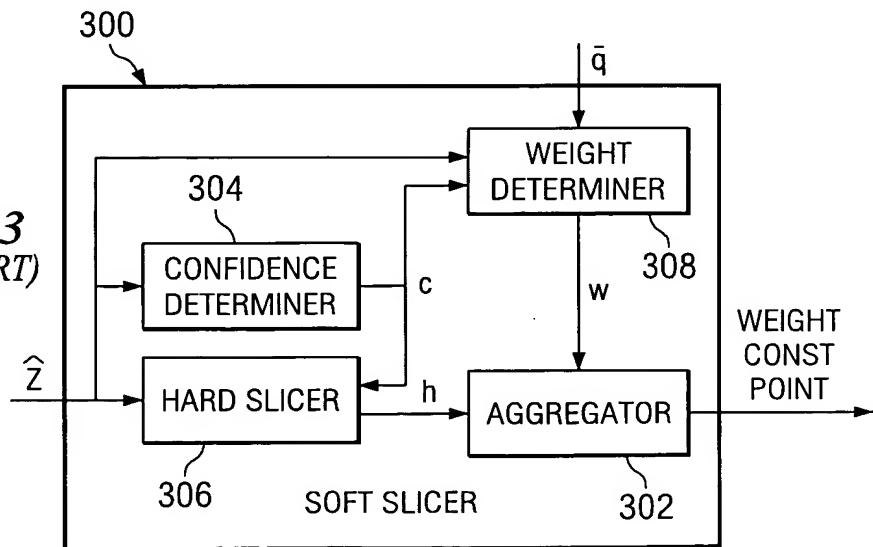
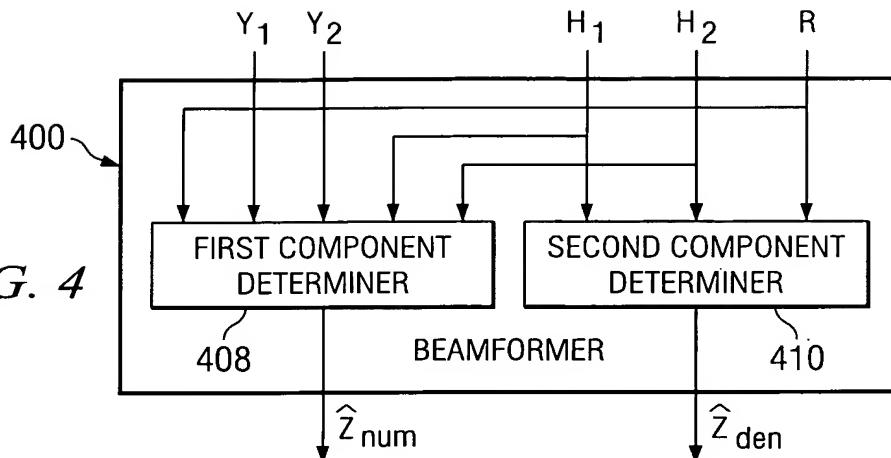


FIG. 3  
(PRIOR ART)





*FIG. 4*



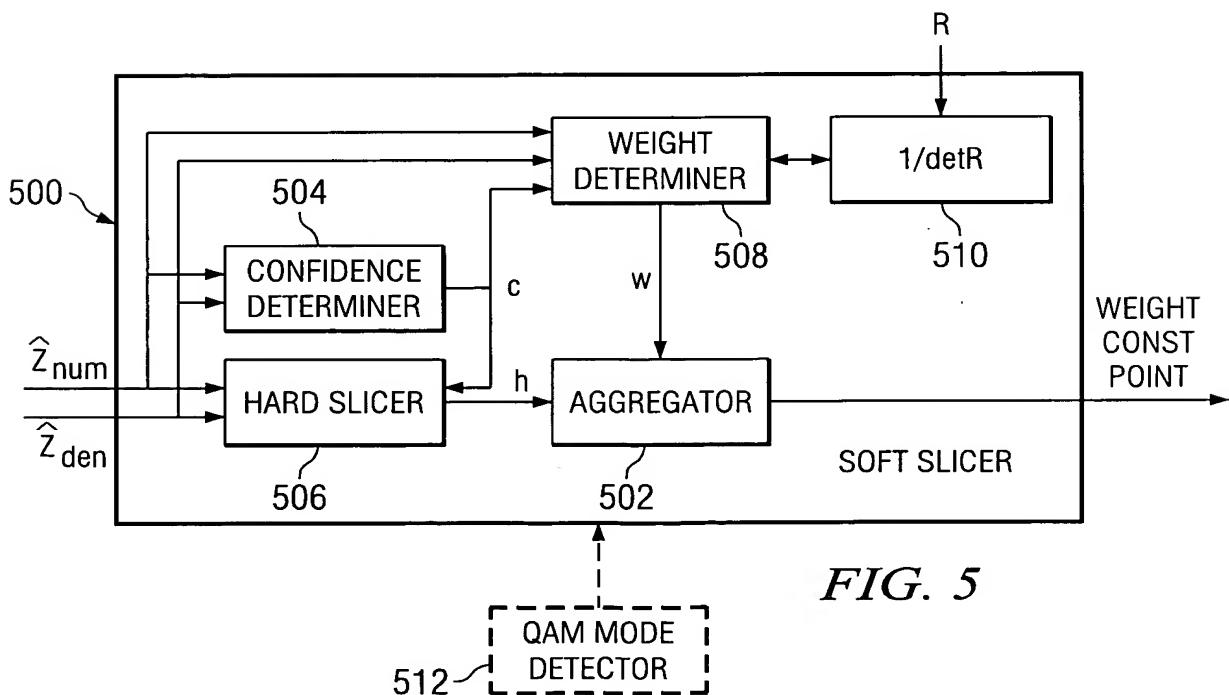
408

BEAMFORMER

410

$\hat{Z}_{\text{num}}$

$\hat{Z}_{\text{den}}$



512 QAM MODE DETECTOR

*FIG. 5*

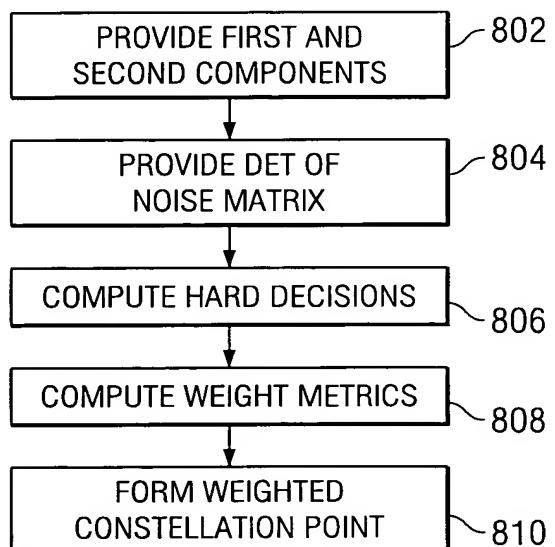
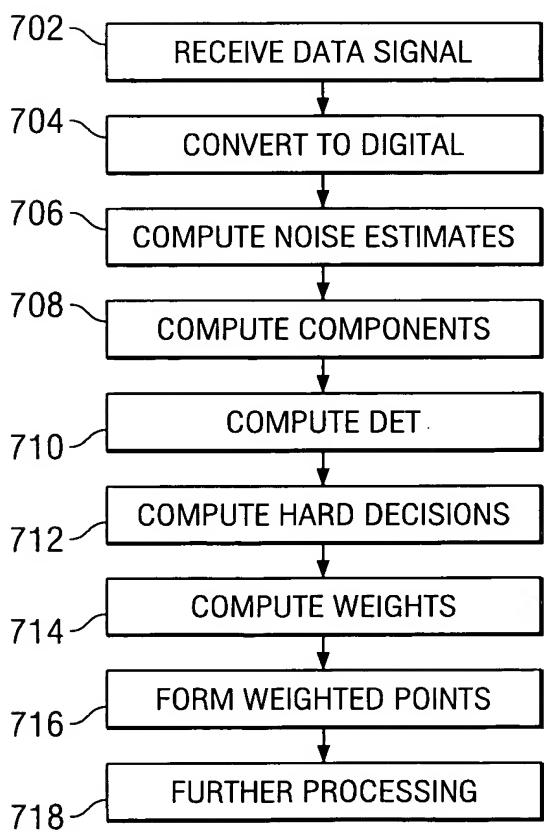
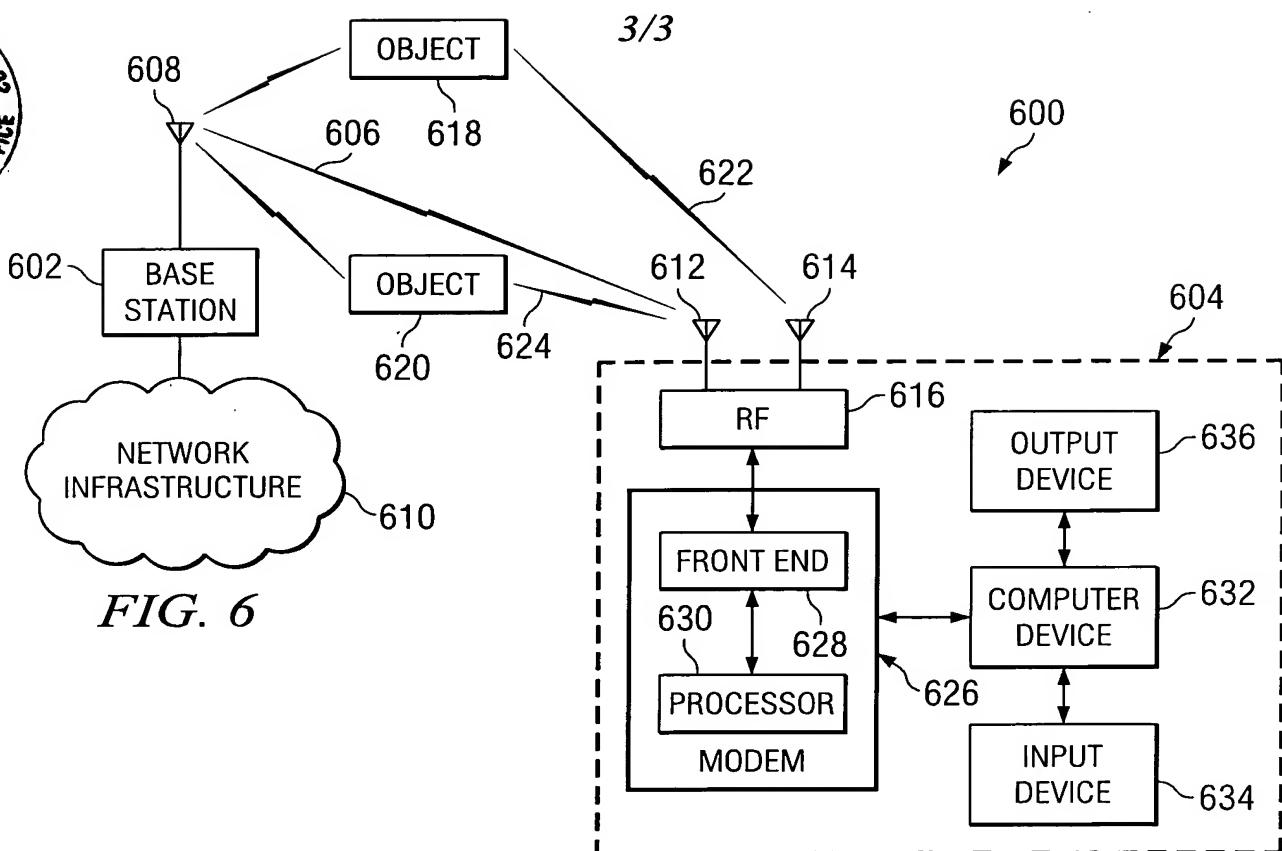


FIG. 7

FIG. 8